

04-27-01

PTO/SB/05 (08-00)

Please type a plus sign (+) inside the box

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. GA0211US
First Inventor or Application Identifier Roberts, Bruce L.
Title IN VIVO LOADING OF MHC
Express Mail Label No. EL 826 463 784 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning design patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 62]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
[Total Pages 3]
5. Oath or Declaration unexecuted [Total Pages 3]
 - a. ☐ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 17 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449
[Copies of IDS Citations]
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Other:

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76:
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)
Prior application information: Examiner _____ of prior application No: _____/
Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied
under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference.
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

(Insert Customer Number or Bar Code label here)

or ☐ Correspondence address below

| | | | | | |
|---------|------------------------------|-----------|--------------|-----|------------|
| Name | GENZYME CORPORATION | | | | |
| Address | 15 PLEASANT STREET CONNECTOR | | | | |
| | P.O. BOX 9322 | | State | MA | Zip Code |
| City | FRAMINGHAM | Telephone | 508-872-8400 | Fax | 01701-9322 |
| Country | USA | | | | |

| | | | |
|-------------------|-------------------------|-----------------------------------|---------|
| Name (Print/Type) | ELIZABETH LASSEN | Registration No. (Attorney/Agent) | 31,845 |
| Signature | <i>Elizabeth Lassen</i> | Date | 4/25/01 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any
comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark
Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for
Patents, Box Patent Application, Washington, DC 20231.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

Complete if Known

Application Number Unassigned
Filing Date April 25, 2001
First Named Inventor Roberts, Bruce L.
Examiner Name Unassigned
Group / Art Unit Unassigned
Attorney Docket No. GA0211US

TOTAL AMOUNT OF PAYMENT (\$) 710

PTO
09/843342
04/25/01

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit
Account
Number

07-1074

Deposit
Account
Name

GENZYME CORPORATION

- ☒ Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17
☐ Applicant claims small entity status.
See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money
Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------|
| 101 | 710 | 201 | 355 | Utility filing fee | 710 |
| 106 | 320 | 206 | 160 | Design filing fee | |
| 107 | 490 | 207 | 245 | Plant filing fee | |
| 108 | 710 | 208 | 355 | Reissue filing fee | |
| 114 | 150 | 214 | 75 | Provisional filing fee | |

SUBTOTAL (1)

(\$ 710)

2. EXTRA CLAIM FEES

| | | | Extra Claims | | Fee from below | | Fee Paid |
|-----------------------|----|-----|-----------------|---|-------------------|--|-------------|
| Total Claims | 18 | -20 | = | 0 | X | | = 0 |
| Independent Claims | 3 | -3 | = | 0 | X | | = 0 |
| Multiple Dependent | | | | | X | | = 0 |

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description |
|----------------------|-----------------------|----------------------|-----------------------|--|
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 80 | 202 | 40 | Independent claims in excess of 3 |
| 104 | 270 | 204 | 135 | Multiple dependent claim, if not paid |
| 109 | 80 | 209 | 40 | ** Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$ 0)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Fee Code | Large Entity Fee (\$) | Fee Code | Small Entity Fee (\$) | Fee Description |
|----------|-----------------------|----------|-----------------------|--|
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet. |
| 139 | 130 | 139 | 130 | Non-English specification |
| 147 | 2,520 | 147 | 2,520 | For filing a request for reexamination |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action |
| 115 | 110 | 215 | 55 | Extension for reply within first month |
| 116 | 390 | 216 | 195 | Extension for reply within second month |
| 117 | 890 | 217 | 445 | Extension for reply within third month |
| 118 | 1,390 | 218 | 695 | Extension for reply within fourth month |
| 128 | 1,890 | 228 | 945 | Extension for reply within fifth month |
| 119 | 310 | 219 | 155 | Notice of Appeal |
| 120 | 310 | 220 | 155 | Filing a brief in support of an appeal |
| 121 | 270 | 221 | 135 | Request for oral hearing |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding |
| 140 | 110 | 240 | 55 | Petition to revive – unavoidable |
| 141 | 1,240 | 241 | 620 | Petition to revive – unintentional |
| 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) |
| 143 | 440 | 243 | 220 | Design issue fee |
| 144 | 600 | 244 | 300 | Plant issue fee |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner |
| 123 | 130 | 123 | 130 | Petitions related to provisional applications |
| 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) |
| 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) |
| 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR § 1.129(b)) |
| 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 0)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)

ELIZABETH LASSEN

Registration No. Attorney/Agent)

31,845

Telephone

508-270-2553

Signature

Elizabeth Lassen

Date

4/25/01

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)Applicant(s): **Roberts et al.**

Docket No.

GA0211USSerial No.
UnassignedFiling Date
April 25, 2001Examiner
UnassignedGroup Art Unit
UnassignedInvention: **IN VIVO LOADING OF MHC**

I hereby certify that the following correspondence:

Utility Patent Application Transmittal (1 sheet); Fee Transmittal (2 sheets); Preliminary Amendment (2 sheets); Unexecuted Declaration and Power of Attorney (3 sheets); Application Data Sheet (1 sheet); and Utility Patent Application (63 sheets).

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

April 25, 2001*(Date)***TARYN ANTALEK***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EL 826 463 784 US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

"Express Mail" Mailing Label Number: EL 826 463 784 US

Date of Deposit: April 25, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

TARYN ANTALÉK

Typed or Printed Name of Person Mailing Correspondence


Signature of Person Mailing Correspondence

APPLICATION FOR UNITED STATES LETTERS PATENT

Inventor(s): BRUCE L. ROBERTS
SRINIVAS SHANKARA

Title : IN VIVO LOADING OF MHC

Number of
Drawings : 0

Docket No.: GA0211US

Genzyme Corporation
Legal Department
15 Pleasant Street Connector
Framingham, MA 01701-9322

04540450